

DOCUMENT RESUME

ED 049 778

LI 002 740

AUTHOR Tudor, Dean
TITLE Planning-Programming-Budgeting Systems.
INSTITUTION Council of Planning Librarians, Monticello, Ill.
PUB DATE Mar 70
NOTE 20p.; Exchange Bibliography 121
AVAILABLE FROM Council of Planning Librarians, Post Office Box 229,
Monticello, Illinois 61856 (\$2.00)

EDRS PRICE EDRS Price MF-\$0.65 HC Not Available from EDFS.
DESCRIPTORS *Decision Making, Information Needs, *Management
Systems, *Planning, *Program Budgeting, *State
Agencies
IDENTIFIERS *Planning Programming Budgeting Systems, PPBS

ABSTRACT

Planning Programming and Budgeting Systems (PPBS) have been considered as either synonymous with abstract, advanced, mathematical systems analysis or as an advanced accounting and control system. If PPBS is to perform a useful function, both viewpoints must be combined such that a number of standardized procedures and reports are required and advanced analytical techniques are used when needed for attainment of excellence in planning, resource allocation and management of operations. The 210-item bibliography serves to inform state agencies of the availability and wide scope of PPBS and its applications as a means of utilizing this new management technology in state planning. (A supplemental bibliography is provided in LI 002 741.) (AB)

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PLANNING – PROGRAMMING – BUDGETING SYSTEMS

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INTRODUCTION

The increasing complexity of modern life and the public's demand for administrative governments on all levels to provide services geared to this life have made the task of policy makers, planners, and managers within the jurisdictional areas increasingly difficult. The range of problems, the possible range of responses to these problems, and the chronic shortage of funds to fulfil all demands, calls into question old methods of establishing priorities, designing appropriate programs, managing operations and controlling budgets. These "old methods" were probably adequate for the conditions which prevailed when they were developed; however, it is now recognized that there are a number of weaknesses inherent in the "old method":

- (a) vagueness of objectives;
- (b) limited analysis of alternatives;
- (c) partial costing of programs;
- (d) inadequate consideration of future year implications of present decisions;
- (e) short review and decision period;
- (f) emphasis on expenditure control instead of performance; and
- (g) gap between planning, budgeting, and control.

In the last few years there has emerged a body of knowledge and a group of techniques, which can provide great assistance to policy makers and managers in their work. The system or management approach known as Planning-Programming-Budgeting (P.P.B.) sometimes known as Program Budgeting is now employed in a number of jurisdictions for this purpose.

A reading of the literature on P.P.B. can lead to two distorted views on what the system is and does.

On the one hand, a number of papers and lectures have appeared making P.P.B. synonymous with abstract, advanced, mathematical Systems Analysis. This approach, in its emphasis on the use of complex mathematical model building, programming and optimizing techniques, creates the impression that a P.P.B. system cannot exist unless these sophisticated econometric and mathematical models are employed. This might be called the "abstract theory" view.

Another view which is often presented represents P.P.B. as an advanced accounting and control system. In this view, the essential elements are a new way of presenting budgets and controlling expenditures. These changes

are accompanied by the inclusion of longer range projections of costs and the introduction of a form of performance reporting. This might be called the "book-keeping" approach.

Neither view is adequate or acceptable if a P.P.B. system is to perform a useful function. To some people, the "abstract theory" view seems to imply that the entire decision-making power can be turned over to the Systems Analyst and that managers become wholly dependent upon the mathematical wizardry of these analysts. Analysis of issues, Objectives and alternative courses of action is the backbone of a well functioning P.P.B. system, but the inference that only very sophisticated analysis constitutes P.P.B., or that P.P.B. cannot exist without sophisticated analysis is dangerously misleading. Often the greatest insights come from orderly but essentially simple analyses.

If, on the other hand, the "book-keeping" approach were adequate, and nothing but the basic ways of submitting plans and estimates and of reporting on operations were changed, the system would be a matter of substituting one form of paper for another with no essential change in the basic thinking and analysis. In fairness, there is no real evidence that authors and lecturers intend to create either of these impressions, but these impressions do seem to emerge in the minds of readers and listeners fairly frequently.

A good P.P.B. system will require a number of standardized procedures and reports, and it will undoubtedly encourage the use of advanced analytical techniques when they are needed. Its essential value to managers comes, however, not from the techniques used in analysis or the forms used in reporting, but from the degree to which it assists in the attainment of excellence in planning, resource allocation, and management of operations.

The basic objectives of a P.P.B. system are:

- (a) to define jurisdictional objectives clearly and to relate them to defined needs and goals;
- (b) to stimulate the in-depth analysis of all existing and proposed new programs in terms of their costs and benefits;
- (c) to link the planning and budgeting process through the annual review of multiple year plans;
- (d) to measure actual and planned performance; and
- (e) to provide a systematic way of integrating all of these elements in order to arrive at a more effective system for the allocation and management of resources.

The adoption of P.P.B. systems by more and more governments usually means that those agencies which advise, report to, or rely on governments must begin to think in terms of P.P.B. Their criteria for evaluation must closely approximate the needs of governments for input into the P.P.B. system. The main criticism leveled against state planning is that the state has failed to take advantage of new management technology (P.P.B. systems, information systems and analysis, modeling and simulating). If this is true, then the following bibliography should be a worthwhile step towards informing state agencies of the availability and wide scope of P.P.B. systems and its applications.

SELECTED BIBLIOGRAPHY

1. Dorfman, Robert, ed., *Measuring Benefits of Government Investments*. Washington, D. C. The Brookings Institution, 1965.

Papers presented at a conference of experts held November 7-9, 1963.

2. Hatry, Harry P., and John F. Cotton, *Program Planning for City County State. State and Local Finances Project*. Washington. The George Washington University, 1967.

The State-Local Finances Project, 1145 19th Street, N.W., Washington, D. C., has a number of publications available on P.P.B. including the well known P.P.B. Notes 1-11.

3. Lyden, Fremont J., and Miller E. G., (Eds.), *Planning-Programming-Budgeting: A Systems Approach to Management*. Chicago, Markham 1967. Basic 'textbook' on P.P.B.

4. "Management Accounting for Government." *Cost and Management*, September 1967 - February 1968 (available in reprint)

Describes P.P.B.S. with particular emphasis on accounting.

5. McKean, Roland N., *Efficiency in Government Through Systems Analysis*. New York. Wiley, 1966.

Basic work, includes an illustrative study of the evaluation of alternative water-resource systems.

6. Novick, David, ed., *Program Budgeting: Program Analysis and The Federal Budget*. Cambridge, Mass. Harvard University Press, 1965.

The classical work in the P.P.B. field.

7. The Planning-Programming-Budgeting System: Progress and Potentials. Report of the Sub-Committee on Economy in Government of the Joint Economic Committee, Congress of the United States, December 1967. U. S. Government Printing Office, 86-7410.

8. The Planning-Programming-Budgeting System: Progress and Potentials, Hearings before the Sub-Committee on National Security and International Operations of the Committee on Government Operations--U.S. Senate.

- with Dr. A. C. Enthoven, Assistant Secretary of Defense, September 27, October 18, 1967.
- with C. L. Schultze, Director, Bureau of the Budget, August 23, 1967.

9. "P.P.B.S.: A Symposium," *Public Administration Review*, December 1966, p. 243-310.

Includes articles by A. Schick and A. Wildavsky (available in reprint).

10. "P.P.B.S.: Its Scope and Its Limits," The Public Interest, No. 8., Summer 1967.

Includes articles by Elizabeth B. Drew, William Gorham and Aaron Wildavsky.

11. Prest, A. R., and R. Turvey, "Cost-Benefit Analysis: A Survey," Economic Journal, December 1965, p. 683-735.

Discusses, (a) general principles, (b) particular applications, e.g. water supply projects, transport, land usage, health, education, research, etc., also has an extensive bibliography on Cost-Benefit Analysis.

12. Schultze, C. L., The Politics and Economics and Public Spending, The Brookings Institution, Washington, D. C., 1968.

A down to earth book written by a man who has a wealth of experience as Director of the Bureau of the Budget during the Johnson administration.

13. Sewell, A.R.D., et alia, Guide to Benefit-Cost Analysis, Queen's Printer, Ottawa, Canada, 1965.

A systematic approach to evaluating and selecting resource development projects with particular reference to the Canadian scene.

14. United Nations, Department of Economic and Social Affairs, A Manual for Program and Performance Budgeting. New York, 1965.

15. Hovey, Harold A., The Planning-Programming-Budgeting Approach to Government Decision Making. New York, Praeger, 1968.

Alesch, D. J.

"Government in evolution: a real world focus for state planning." Public Administration Review, May/June 1968, p. 264-267.

Alfandary-Alexander, Mark, comp.

Analysis for Planning Programming Budgeting: 2d Cost-Effectiveness Symposium, sponsored by the Washington Operations Research Council. Potomac, Md., 1968. 174p.

American Society of Planning Officials.

"PPB System: Tool for Breakthrough" Planning, 1967, p. 81-99.

American Society of Planning Officials.

Planning-Programming-Budgeting Systems; papers presented at the PPBS short course held at the 1969 ASPO National Planning Conference, edited by Virginia Curtis. Chicago, 1969. 54p.

Balls, H. R.

"The Budget and Its Function" Cost and Management, Oct. 1967, p. 25-28.

Balls, H. R.

"The Budget and the National Accounts" Cost and Management, Nov. 1967, p. 28-31.

Banks, Robert and Arnold Kotz.

"The Program Budget and the Interest Rate for Public Investment" Public Administration Review, Dec. 1966, p. 283-292.

Bateman, Worth.

"An Application of Cost-Benefit Analysis to the Work-Expense Program" American Economic Review, May 1967, p. 80-90.

Bayer, Sylvan.

"PPBS - A New Management Tool" Federal Accountant, 17: no. 4, p. 82-90.

Benson, E. J.

"Budget Break through: adoption of PPB" Canadian Tax Journal, May-June 1968, p. 161-167.

Berkowitz, Monroe.

"PPBS, State-wide Planning and the Goals of Vocational Rehabilitation" American Journal of Public Health, Sept. 1968, p. 1633-1637.

Bierman, Harold, Jr.

"A Use of Probability and Statistics in Performance Evaluation" Accounting Review, July 1961, p. 409-417.

Blatt, Donald B.

"A Local Government Approach to a Planning-Programming-Budgeting System" Planning, 1967, p. 81-87.

Bolton, W. B.

"Government Finance Statistics and Their Relevance to Program Planning Budget Systems" Canadian Statistical Review, Aug. 1968, p. ii-v.

Bopp, K. D.

"Planning/Programming/Budgeting" Mayor and Manager, May 1968, p. 6-8.

Botner, Stanley B.

"Implementing PPBS: Bureau of the Budget; Integrated System Development Effort" Federal Accountant, June 1969, p. 95-101.

Botner, Stanley B.

"Municipal Budgeting: Problems and Developments" Business and Government Review, Mar/Apr. 1969, p. 14-26.

Botner, Stanley B.

"The States and PPBS" Budgeting, July/August 1968, p. 17-21.

Bridgeman, J. M.

"Planning Programming Budgeting Systems" O & M BULLETIN. Fall 1969, p. 167-178. 12p.

Burkhead, Jesse.

Government Budgeting. New York, Wiley, 1966. 498p.

Burns, Leland S.

"Cost-Benefit Analysis of a Social Overhead Project for Regional Development" Regional Science Association Papers, 1965 (Vol. 16), p. 155-161.

California. Dept. of Finance.

Programming and Budgeting System. Sacramento, 1968. 66p.

Canada. Dept. of Finance. Treasury Board.

Financial Management in Departments and Agencies of the Government of Canada. Ottawa, 1966. 71p.

Canada. Dept. of Manpower and Immigration.

Program Budgeting in the Department of Manpower and Immigration (Paper presented to Senior Officers Conference, Province of Ontario, Guild Inn, Toronto, May 18, 1967). 35p.

Canada. Treasury Board.

Planning, Programming, Budgeting Guide. Ottawa, Queen's Printer, July 1968. 57p.

Canada. Treasury Board. Management Improvement Branch.

Expenditure Coding. August 4, 1966. (Proceeded 27).

Canada. Treasury Board. Management Improvement Branch.

Planning and the Program Review: A Guide for Program Officers. Ottawa, n.d. 58p.

Capron, William M.

"PPB and State Budgeting" Public Administration Review, Mar/Apr. 1969, p. 155-159.

Churchman, C. A. and A. H. Schainblatt.

"PPB: How Can It Be Implemented?" Public Administration Review, Mar./Apr. 1969, p. 178-189.

Committee for Economic Development.

Budgeting for National Objectives. New York, 1966. 65p.

Congress and the Federal Budget. Washington, D. C.,

American Enterprise Institute For Public Policy Research, 1965. 209p.

Consad Research Corporation.

Guidelines for a Regional PPBS: The Utility of Planning-Programming-Budgeting Concepts for the Regional Planning Council, Baltimore, Md. Pittsburgh, Pa., 1968. vp.

Cotton, J. F.

"Planning-Programming-Budgeting Systems for Local Government" Municipal Finance, Aug. 1968, p. 26-33.

Council of State Governments.

State Reports on Five-Five-Five: A Pilot Project on Planning-Programming-Budgeting Systems. Chicago, 1968. 32p.

Crihfield, Brerard and George A. Bell.

"Budgeting for State and Local Government Services" American Academy of Political and Social Sciences. Annals, Sept. 1968, p. 31-38.

Crowe, Eugene B. and Delmas D. Ray.

"Planning-Programming-Budgeting Systems" Economic Leaflets, vol. 28, no. 5, 6, 7, May-July 1969. 12p.

Davis, Otto; M.A.H. Dempster; and Aaron Wildavsky.

"A Theory of the Budgeting Process" American Political Science Review, Sept. 1966, p. 323-341.

Denhardt, Robert B. and David F. Paulsen.

"PPBS and the Cities" Managerial Planning, May/June 1969, p. 13-17.

Don Vito, P. A.

Annotated Bibliography of Systems Cost Analysis. RAND, March 1967. (RM-4848-1-PR). p. 24-32.

Downs, Anthony.

"PPBS and the Evolution of Planning" Planning, 1967, p. 91-99.

Donaho, J. A.

"Planning-Programming-Budget Systems" Municipal Finance, Aug. 1967, p. 17-25.

Dror, Yehezkel.

"PPB and the Public Policy-Making System" Public Administration Review, Mar./Apr. 1969, p. 152-154.

Eghitedari, Ali and Frank Sherwood.

"Performance Budgeting in Los Angeles" Public Administration Review, Spring 1960, p. 63-69.

Elkin, Robert.

"Applying PPBS to Public Welfare." Management Controls. 26: 237-242 (Nov. 1967). 6p.

Escarraz, Donald Ray

"PPBS and the National Government: Alternative Approaches" National Tax Journal, June 1968, p. 130-140.

Exton, Elaine

"State Legislatures Urged To Install Planning-Programming-Budgeting System" American School Board Journal, Feb. 1967, p. 13-16.

Fairfax Co., Va. Board of County Supervisors.

Planning, Programming, Budgeting. Fairfax, Va., 1967. 15p.

- Faulkner, Paul J.
"A Systems Approach to Programming" Certified General Accountant, Oct. 1967, p. 19-27.
- Fazar, Willard.
"Program Planning and Budgeting Theory" Special Libraries, Sept. 1969, p. 423-433.
- Feldstein, Martin S.
"Opportunity Cost Calculations in Cost-Benefit Analysis" Public Finance, 1964, p. 117-141.
- Fisher, G. H.
The World of Program Budgeting. Santa Monica, Cal, Rand Corp., 1966. 30p. (P-3361)
- Fowke, Donald V.
"PPB for Provinces" Canadian Public Administration, 1969, p. 72-77.
- Fox, Thomas G.
An Introduction to Planning-Programming-Budgeting Systems (PPBS). University Park, Pa., Pennsylvania State University Institute for Research on Human Resources, Feb. 28, 1967. 14p.
- Gabis, Stanley T.
Mental Health and Financial Management: some Dilemmas of Program Budgeting. East Lansing, Michigan State University, 1960. 68p.
- George Washington University, State-Local Finances Project.
Criteria for Evaluation in Planning State and Local Programs. Washington, 1967. 52p.
- George Washington University, State-Local Finances Project.
An Operative PPB System: A Collaborative Undertaking in the States, by Selma J. Mushkin and M. Willcox. Washington, 1968. 24p.
- George Washington University, State-Local Finances Project.
Planning-Programming-Budgeting for City, State, County Objectives. What is PPB? Washington, D. C., 1967.
- George Washington University, State-Local Finances Project.
Planning-Programming-Budgeting for City, State, County Objectives. PPB Note 1: Answering the Question, Is an Integrated Planning, Programming, Budgeting System Useful for our Jurisdiction? Washington, D. C., 1967.
- George Washington University, State-Local Finances Project.
Planning-Programming-Budgeting for City, State, County Objectives. PPB Note 2: Administrative Framework for Establishing Planning-Programming-Budgeting Systems in States, Cities and Counties: Some Considerations and Suggested Possibilities. Washington, D. C., 1967.

George Washington University, State-Local Finances Project.

Planning-Programming-Budgeting for City, State, County Objectives.

PPB Note 3: Development of Initial Instructions to Inaugurate a Planning-Programming-Budgeting System: Some Preliminary Considerations and Model Instruction to be Adapted for Local Use. Washington, D. C., 1967.

George Washington University, State-Local Finances Project.

PPB Note 4: Staffing and Training for a PPB System in State and Local Governments. Washington, D. C., 1968.

George Washington University, State-Local Finances Project.

PPB Note 5: Developing an Objective Oriented Governmental Program Structure. Washington, D. C., 1968.

George Washington University, State-Local Finances Project.

PPB Note 6: The Role and Nature of Cost Analysis in a PPB System. Washington, D. C., 1968.

George Washington University, State-Local Finances Project.

PPB Note 7: Output Measures for a Multi-Year Program and Financial Plan. Washington, D. C., 1968.

George Washington University, State-Local Finances Project.

PPB Note 8: The Multi-Year Program and Financial Plan. Washington, D. C., 1968.

George Washington University, State-Local Finances Project.

PPB Note 9: Demographic and Economic Data Guidelines for Planning-Programming-Budgeting System. Washington, D. C., 1968. 16p.

George Washington University, State-Local Finances Project.

PPB Note 10: Program Objectives, Effectiveness Criteria and Program Structure: An Illustration for Highway Safety. Washington, D. C., 1968. 17p.

George Washington University, State-Local Finances Project.

PPB Note 11: A First Step to Analysis: The Issue Paper. Washington, D. C., 1968. 22p.

George Washington University, State-Local Finances Project.

The Search for Alternatives: Program Options in a PPB System, by Selma Mushkin and Brian Herman. Washington, D. C., 1968. 66p.

Gillhespy, N. R.

"The Tay Road Bridge: A Case Study in Cost-Benefit Analysis"
Scottish Journal of Political Economy 1968, p. 167-185.

Gorham, William.

"Notes of a Practitioner" Public Interest, Summer 1967, p. 4-8.

Gorham, William.

"Sharpening the Knife that Cuts the Public Pie" Public Administration Review, May-June 1968, p. 236-241.

- Graese, C. F.
"Program Budgeting for Government" Management Controls, Sept. 1967,
p. 201-202.
- Greenhouse, Samuel M.
"A 'Distributed Output' Concept for the Planning-Programming-Budgeting System" Personnel Administration, July-August 1967, p. 35-41.
- Greenhouse, Samuel M.
"The Planning-Programming-Budgeting System: Rationale, Language, and Idea-Relationships" Public Administration Review, Dec. 1966, p. 271-277.
- Gross, Bertram M.
"The New Systems Budgeting" Public Administration Review, Mar./Apr. 1969, p. 113-137.
- Hammond, Richard J.
"Convention and Limitation in Benefit-Cost Analysis" National Resources Journal, April 1966, p. 195-222.
- Harper, Edwin L., et al.
"Implementation and Use of PPB in Sixteen Federal Agencies", by Edwin Harper, Fred Kramer and Andrew Rouse. Public Administration Review. 29: 623-632. (1969). 10p.
- Harrill, E. Reece.
"Performance Building and Accounting" Federal Accountant, Spring 1965, p. 35-58.
- Hatry, H. P., and Cotton, J. F.
Program Planning for State, County, City. Washington, D. C., George Washington University, State-Local Finances Project, 1967. 72p.
- Hatry, H. P.
Systems Analysis and PPBS. (In Municipal Yearbook, 1968. Washington, D. C., International City Managers' Assn., 1968, p. 273-279.
- Held, Virginia.
"PPBS Comes to Washington" Public Interest, Summer 1966, p. 102-115.
- Henry, Marion L. and Willis Proctor.
"New York State's Performance Budget Experiment" Public Administration Review, Spring 1960, p. 69-74.
- Hirsch, Werner Z.
"Toward Federal Program Budgeting" Public Administration Review, Dec. 1966, p. 259-269.
- Hitch, Charles J.
Decision Making for Defense. Berkeley, Cal., University of California Press, 1965. Ch. 2 and 3, p. 21-78.

Hitch, Charles J.

"Program Budgeting" Datamation Sept. 1967, p. 37-40.

Hovey, Harold A.

The Planning-Programming-Budgeting Approach to Government Decision-making. New York, Praeger, 1968. 264p.

Ijiri, Y.; J. C. Kinard; and F. B. Putney.

"An Integrated Evaluation System for Budget Forecasting and Operating Performance with a Classified Budgeting Bibliography" Journal of Accounting Research, Spring 1968, p. 1-28.

"Is PPBS All That Good?"

Armed Forces Management, April 1968, p. 32-33.

Jones, Roger H.

"Program Budgeting: Fiscal Facts and Federal Fancy" Quarterly Review of Economics and Business, Summer 1969, p. 45-57.

Karsh, Norman.

"PPBS: For better or for Worse" Budgeting, 1968? 4p.

Kelso, Maurice M.

"Public Land Policy in the Context of PPB Systems" plus discussion. American Journal of Agricultural Economics, Dec. 1968, p. 167-186.

Knapp, George C.

Hierarchial Distinctions in PPB Analysis. (Remarks before the Institute for State Budget Directors, National Bridge State Park, Kentucky, September 19, 1967). 16p.

Koch, Vernon E.

"Cincinnati's Budget" Public Administration Review, Spring 1960, p. 79-85.

Levine, Abraham S.

"Cost-Benefit Analysis and Social Welfare" Welfare in Review, Feb. 1966, p. 1-11.

Levine, Abraham S.

"Cost-Benefit Analysis of the Work Experience Program" Welfare in Review, Aug.-Sept. 1966, p. 1-9.

Levy, Michael.

"Planning-Programming-Budgeting: Government's New Tool for Improving Efficiency" Conference Board Record, May 1967, p. 41-43.

Little, P. L. and C. L. Mitchell.

"The Program Budget: Planning and Control for the Public Sector" Cost and Management, Sept. 1967, p. 1-5.

Luther, R. A.

"PPBS in Fairfax County: A Practical Experience" Municipal Finance, Aug. 1968, p. 34-42.

Lyden, Fremont J. and E. G. Miller. (eds.).

Planning Programming Budgeting: A Systems Approach to Man-management.
Chicago, Markham, 1967. 443p.

Maass, Arthur.

"Benefit-Cost Analysis: Its Relevance to Public Investment Decisions"
Quarterly Journal of Economics, May 1966, p. 209-226.

Macdonald, N. Ian.

Program Budgeting; a speech given to IPAC, Sept. 4, 1968. 39p.

McLoon, Eugene P.

Long-Range Revenue Estimation, by Eugene P. McLoon, Gabrielle C. Lupo and Selma J. Mushkin. Washington, D. C., George Washington Univ., Oct. 1967. 122p.

"Management Accounting for Government"

Cost and Management, Sept. 1967 - Feb. 1968. 27p.

Massey, Robert J.

"Program Packages and the Program Budgeting in the Department of Defense". Public Administration Review, March 1963, p. 30-34.

McCullough, J. D.

Cost Analysis for Planning, Programming, Budgeting, Cost-Benefit Studies. Santa Monica, Calif., Rand Corp., 1966. 64p. (P-3479)

McGilvery, Francis E.

"A Management Accounts Structure" Public Administration Review, Dec. 1966, p. 277-283.

McGilvery, Francis E.

"Program and Responsibility Cost Accounting" Public Administration Review, Mar.-Apr. 1968, p. 148-154.

McKean, Roland N.

Efficiency in Government through Systems Analysis, with Emphasis on Water Resources Development. New York, Wiley, 1966. 336p.

McNicoll, J. A.

"Programme Planning and Operation Analysis" Canadian Chartered Accountant, October 1967, p. 277-279.

Michigan. Dept. of State.

A State Agency Impression of the Program Budgeting Approach, by George O. Stevens and Charles O. Durocher. Lansing, 1967. 12p.

Millward, R. E.

"PPBS: Problems of Implementation" American Institute of Planners Journal, Mar. 1968, p. 88-94.

Morse, Elsworth H., Jr.

"The Planning-Programming-Budgeting System and the Congress" Federal Accountant, Sept. 1969, p. 22-36.

Mosher, Frederick C.

"Limitations and Problems of PPBS in the States" Public Administration Review, Mar./Apr. 1969, p. 160-167.

Murphy, J. S.

"The Quiet Revolution in Government Planning Techniques." Management Review, Apr. 1968, p. 4-11)

Mushkin, Selma J.

Functional Federalism: Grants-in-Aid and P.P.B. Systems, by Selma J. Mushkin and John F. Cotton. Washington, D. C., George Washington Univ., 1969. 208p.

Mushkin, Selma J.

"PPB in Cities" Public Administration Review, Mar./Apr. 1969, p. 167-178.

Murphy, Joseph S.

"Planning, Programming and Budgeting: The Quiet Revolution in Government Planning Techniques" Management Review, April 1968, p. 4-11.

Mushkin, Selma.

The Search for Alternatives: Program Options in a P.P.B. System, by Selma Mushkin and Brian Herman. Washington, D. C., George Washington Univ., Oct. 1968. 66p.

State-Local Finances Project, George Washington Univ.

National Industrial Conference Board.

The Federal Budget: Its Impact on the Economy. New York, 1968. p. 29-34.

New York. (State) Executive Dept. Division of the Budget. Office of Planning Co-ordination.

Guidelines for Planning-Programming-Budgeting. Albany, N. Y., 1968. 75p.

Novick, David.

"The Federal Budget as a Business Indicator" Harvard Business Review, May-June 1960, p. 64-72.

Novick, David. (ed.).

Program Budgeting: Program Analysis and the Federal Budget. Cambridge, Mass., Harvard University Press, 1965. 382p.

Novick, David.

Which Program Do We Mean in "Program Budgeting"? Santa Monica, California, Rand Corp., May 12, 1952 (Clearing house, AD 422827). 31p.

Ontario. Legislative Assembly.

Budget Statement of the Honourable Charles MacNaughton, Treasurer of Ontario, in the Legislative, Assembly of Ontario, Tuesday, March 12, 1968, on moving the House into Committee of Ways and Means. Toronto, Queen's Printer, 1968. p. 63, 65-67.

Ontario. Legislative Assembly.

Debates of 27th Legislative, 4th session (May 31, 1966, no. 125).
p. 4095-4125.

Ontario. Treasury Board.

Development of Performance Indicators for Management Planning and Control. May 23, 1968. 9p.

Ontario. Treasury Board.

Effective Management Through PPBS. Toronto, October 1969. 68p.

Ontario. Treasury Board.

Program Budgeting--A Discussion Paper for the Continuing Committee on Fiscal and Economic Matters. May 1968. 14p.

Ontario. Treasury Department.

Opening Statement of Hon. C. S. MacNaughton at the Seminar on Program Budgeting, Lord Simcoe Hotel (Toronto). June 7, 1968. 5p.

Optner, Stanford L.

Systems Analysis for Business and Industrial Problem Solving. Englewood Cliffs, N. J., Prentice-Hall, 1965. 116p.

Orkand, Donald S.

An Overview of Planning, Programming and Management. Silver Spring, Md., Operations Research, Inc., 1967, (paper presented at Senior Executive Conference on Planning, Programming, and Management, Ottawa, April 13, 1967). 31p.

"PPBS: Has the Theory Worked? A Symposium" Public Administration, Spring 1960, p. 63-85.

"PPBS: Its Scope and Limits" Public Interest, Summer 1967, p. 3-48.

"PPBS: A Symposium" Public Administration Review, Dec. 1966, p. 243-310.

"PPBS Reexamined: Development, Analysis, and Criticism" Public Administration Review, Mar./Apr. 1969, p. 111-202.

Page, David A.

"The Federal Planning-Programming-Budgeting System" American Institute of Planners Journal, July 1967, p. 256-259.

"Performance Reports Used with Performance Budgets" Public Management, March 1962, p. 63-64.

Planning-Programming-Budgeting Systems: A Collection of Bibliographies Collated by the Staff of the Treasury Dept. Library, 1968 -

Planning-Programming-Budgeting Systems. Special Readings Collated by the Staff of the Treasury Dept. Library, 1968 -

Posner, Ben.

"Planning-Programming-Budgeting: A Financial Management Approach"
Federal Accountant, Summer 1966, p. 9-21.

Prest, A. R. and R. Turvey.

"Cost-Benefit Analysis: A Survey" Economic Journal, Dec. 1965,
p. 683-735.

Quade, E. S.

Systems Analysis Techniques for Planning-Programming-Budgeting.
Santa Monica, Cal., RAND, 1966. 31p.

Roberts, Ralph S.

"USDA's Pioneering Performance Budget Experiment" Public Administration Review, Spring 1960, p. 74-78.

Rosenzweig, H.

Problems Associated with Measurement and Evaluation of Performance
in Connection with State Programs and Agencies. Santa Monica, Calif.,
Rand Corp., No date. 11p.

Ross, N. G.

"Toward Better Control of Federal Government Expenditures" Canadian Chartered Accountant, Feb. 1969, p. 100-103.

Ross, William B.

"Some Perspective on Federal PPBS" Planning, 1967, p. 87-91.

Rowen, Henry S.

"PPBS: What and Why" Civil Service Journal, Jan-Mar. 1966, p. 5-9.

Schelling, Thomas C.

"PPBS and Foreign Affairs" Public Interest, No. 10, Winter 1968,
p. 26-36.

Schick, A.

"The Road to PPB: The Stages of Budget Reform" Public Administration Review, Dec. 1966, p. 243-258.

Schick, Allen.

"Systems Politics and Systems Budgeting" Public Administration Review, Mar./Apr. 1969, p. 137-151.

Sewell, W. R. D. (et. al.).

Guide to Benefit-Cost Analysis. Ottawa, Queen's Printer, 1965. 49p.

Simmons, Edwin H.

"Planners, Programmers, and Budgeteers" Federal Accountant, Sept.
1969, p. 37-53.

Smithies, A.

Conceptual Framework for the Program Budget. (From Novick, David
Program Budgeting - 1965. 31p.

Spindler, Arthur.

"PPBS and Social and Rehabilitation Services" Welfare in Review, Mar./Apr. 1969, p. 22-28.

Steiner, George A.

"Program Budgeting: Business Contribution to Government Management" Business Horizons, Spring 1965, p. 43-52. 10p.

Sterns, A. A.

"Implementing the Glassco Report" Cost and Management, Jan. 1968, p. 25-30.

Sterns, A. A.

"The Prelude To Action on the Glassco Report" Cost and Management, Dec. 1967, p. 20-23.

Stromsdorfer, Ernst W.

Economic Concepts and Criteria for Vocational Education. Toronto, O.I.S.E., March 3, 1967. (Processed preliminary report). 30p.

Tar, N. W.

Benefit-Cost Analysis Review. Toronto, Dept. of Economics and Development, Economic Analysis Branch, 1966. 27p.

United Nations. Dept. of Economic and Social Affairs.

A Manual for Programme and Performance Budgeting. New York, 1965. 103p.

U. S. Bureau of the Budget.

Memorandum on Planning-Programming-Budgeting (Bulletin No. 66-3). October 12, 1965. 15p.

U. S. Bureau of the Budget.

Memorandum on Planning-Programming-Budgeting (Bulletin No. 68-2). July 18, 1967. 14p.

U. S. Bureau of the Budget.

Memorandum on Planning-Programming-Budgeting. (Bulletin No. 68-9). April 12, 1968. 20p.

U. S. Bureau of the Budget. Library.

Program Analysis Techniques: A Selected Bibliography, with Revisions and Supplements, 1965. 90p.

U. S. Congress. Joint Economic Committee.

The Federal Budget as an Economic Document. Washington, D. C., Govt. Print. Off., 1963. 26p.

U. S. Congress. Joint Economic Committee.

The Planning-Programming-Budgeting System: Progress and Potentials. Washington, D. C., Govt. Print. Off., 1967. 11p.

U. S. Congress. Joint Economic Committee. Subcommittee on Economy in Government.

The Analysis and Evaluation of Public Expenditures: the P.P.B. System; A Compendium of Papers Submitted to the Subcommittee on Economy in Government. Washington, D. C., Govt. Print. Off., 1969. 3v. 6 pts.

U. S. Congress. Joint Economic Committee. Subcommittee on Economy in Government.

The Planning-Programming-Budgeting System: Progress and Potentials; Hearings before the Subcommittee---Washington, D. C., Govt. Print. Off., 1967. 412p.

(90th Congress, 1st. sessinn, September 14, 19-21, 1967.)

U. S. Dept. of Agriculture. Office of the Secretary.

Planning-Programming-Budgeting System. (Secretary's Memorandum, No. 1965.) 5p.

U. S. Dept. of Defense.

A Primer on Project PRIME. Washington, D. C., December 1966. 78p.

U. S. Dept. of Health, Education and Welfare.

Planning-Programming-Budgeting: Guidance for Program and Financial Plan. rev. ed. Washington, D. C., Govt. Print. Off., Feb. 1968. 207p.

U. S. Dept. of Health, Education and Welfare.

Program Analysis. Washington, D. C., 1966-1968. 14 nos.

U. S. General Accounting Office.

Planning-Programming-Budgeting and Systems Analysis Glossary. Washington, D. C., Govt. Print. Off., 1968. 42p.

U. S. House of Representatives. Subcommittee on Government Operations.

Effective and Efficient Use of Computers in Congress, 91st Congress, 1st Session, Hearing, April 23, 1969. Appendix "A" - Strengthening Planning, Programming, and Budgeting in the Bureau of the Budget - A Study Briefing (A Synopsis of the McKinsey and Co. Study Effort).

U. S. President's Commission on Budget Concepts.

Report. Washington, D. C., Govt. Print. Off., 1967. 109p.

U. S. Senate. Committee on Government Operations.

Criteria for Evaluation in Planning State and Local Programs, by Harry P. Hatry. Washington, D. C., Govt. Print. Off., 1967. 42p. (90th Cong. 1st sess. Cmtee print)

U. S. Senate. Committee on Government Operations.

Planning-Programming-Budgeting. Hearings...90th Cong., 1st-2d sess., Aug. 23, 1967; Sept. 27 and Oct. 18, 1967; Mar. 26, 1968. Washington, D. C., Govt. Print. Off., 1967-68. 3 pts. Jackson Committee Hearings.

U. S. Senate. Committee on Government Operations.

Planning-Programming-Budgeting: Official documents, selected comment, and initial memorandum. 1967. Washington, D. C., Govt. Print. Off., 1967. 115p.

U. S. Senate. Committee on Government Operations.

Planning-Programming-Budgeting: Uses and Abuses of Analysis. Washington, D. C., Govt. Print. Off., 1967. 12p. (90th Cong. 2d sess. Cmtee print)

U. S. Senate. Committee on Government Operations. Sub Committee on National Security and International Operations.

Program Budgeting in Foreign Affairs. Washington, D. C., Govt. Printing Off., 1968. 24p.

Tax Foundation, New York.

"Planning-Programming-Budgeting Systems and Cost-Benefit Analysis in Government" Research Bibliography, No. 26, August 1967. 4p.

Weidenbaum, Murray L.

"Program Budgeting: Applying Economic Analysis to Government Expenditure Decisions" Business and Government Review, July-Aug. 1966, p. 22-31.

White, W. L. and R. Drause.

"The Auditor General and Responsible Government" Cost and Management, Feb. 1968, p. 31-34.

Wildavsky, Aaron.

"The Political Economy of Efficiency" Public Interest, Summer 1967, p. 29-48.

Wildavsky, Aaron.

"The Political Economy of Efficiency-Cost Benefit Analysis, System Analysis, and Program Budgeting" Public Administration Review, Dec. 1966, p. 292-410.

Wildavsky, Aaron.

The Politics of the Budgeting Process. Toronto, Little, Brown and Co., 1964. Chapter 4: Reforms, p. 127-144.

Wildavsky, Aaron.

"Rescuing Policy Analysis from PPBS" Public Administration Review, Mar./Apr. 1969, p. 189-202.

Willbern, York.

Efficiency in Government. Speech, Institute for Budget Analysis. Lexington, Kentucky. July 14, 1967. 8p.

Wisconsin. Dept. of Administration. Bureau of Management.

A Prospective Integrated Planning-Budgeting System for Wisconsin State Government. Madison, Dec. 1967. 15p.

Wisconsin. Dept. of Administration. Bureau of Management.

Wisconsin's Conversion to Program Budgeting, by Paul L. Brown, Executive Budget Co-ordinator. (paper presented at the annual meeting of the American Association of State Highway Officials, Subcommittee on Uniform Accounting). Wichita, Kansas. Dec. 1, 1966. 24p.

Wright, Chester.

"CSC Provides PPBS Training" Civil Service Journal, Jan-Mar, 1966, p. 10, 11, 14.

Wright, Chester.

The Concept of a Program Budget. Speech, National Association of State Budget Officers Conference, Kentucky. Sept. 1967. 11p.

Young, Helen.

"Performance and Program Budgeting: An Annotated Bibliography" A.L.A. Bulletin, Jan. 1967, p. 63-67.

Zwick, Charles J.

"Budgeting for Federal Responsibilities" American Academy of Political and Social Science. Annals, Sept. 1968, p. 13-21.

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